

Contents

<i>List of figures</i>	x
<i>List of tables</i>	xv
<i>List of contributors</i>	xvii
<i>Preface</i>	xx
SECTION I	
Providing instruction and feedback	1
1 Enhancing motor skill acquisition with augmented feedback	3
DAVID I. ANDERSON, RICHARD A. MAGILL, ANTHONY M. MAYO, AND KYLIE A. STEEL	
2 Changing automatized movement patterns	20
LAURA SPERL AND ROUWEN CAÑAL-BRULAND	
3 Errors, rewards, and reinforcement in motor skill learning	39
KEITH LOHSE, MATTHEW MILLER, MARIANE BACELAR, AND OLAV KRIGOLSON	
4 Motor imagery practice and skilled performance in sport: from efficacy to mechanisms	61
AIDAN MORAN AND HELEN O'SHEA	
5 Advances in implicit motor learning	77
RICH S.W. MASTERS, TINA VAN DUIJN, AND LIIS UIGA	
SECTION II	
Organizing effective practice	97
6 Contextual interference: new findings, insights, and implications for skill acquisition	99
DAVID L. WRIGHT AND TAEWON KIM	

viii	<i>Contents</i>	
7	Self-controlled learning: current findings, theoretical perspectives, and future directions	119
	DIANE M. STE-MARIE, MICHAEL J. CARTER, AND ZACHARY D. YANTHA	
8	Learning together: observation and other mechanisms which mediate shared practice contexts	141
	APRIL KARLINSKY, TIMOTHY N. WELSH, AND NICOLA J. HODGES	
9	Constraints-led learning in practice: designing effective learning environments	163
	IAN RENSHAW, JONATHON HEADRICK, MICHAEL MALONEY, BRENDAN MOY, AND ROSS PINDER	
10	Operationalising deliberate practice for performance improvement in sport	183
	PAUL R. FORD AND EDWARD K. COUGHLAN	
	SECTION III	
	High-level skill training	201
11	Sports training technologies: achieving and assessing transfer	203
	ROB GRAY	
12	Models of game intelligence and creativity in sport: implications for skill acquisition	220
	DANIEL MEMMERT AND STEFAN KÖNIG	
13	Perceptual-cognitive expertise and simulation-based training in sport	237
	ANDREW MARK WILLIAMS	
14	Mental toughness training	255
	STUART BEATTIE, LEW HARDY, ANDREW COOKE, AND DANIEL GUCCIARDI	
15	Staying cool under pressure: developing and maintaining emotional expertise in sport	271
	BRADLEY FAWVER, GARRETT F. BEATTY, DEREK T.Y. MANN, AND CHRISTOPHER M. JANELLE	

SECTION IV	
Mechanisms and models of skill acquisition	291
16 Motor skill learning and its neurophysiology	293
CAMERON S. MANG, MICHAEL R. BORICH, KATIE P. WADDEN, LARA A. BOYD, AND CATHERINE F. SIENGSUKON	
17 Appropriate failure to create effective learning: optimizing challenge	313
VERONICA X. YAN, MARK A. GUADAGNOLI, AND NEIL HAYCOCKS	
18 Ecological dynamics and transfer from practice to performance in sport	330
JIA YI CHOW, RICHARD SHUTTLEWORTH, KEITH DAVIDS, AND DUARTE ARAÚJO	
19 The development of skill and interest in sport	345
JENNIFER TURNNIDGE, VERONICA ALLAN, AND JEAN CÔTÉ	
<i>Index</i>	360